

Find the inverse of f.

- 1) $f(x) = 3x - 5$
- 2) $y = 3x - 5$
- 3) $x = 3y - 5$
- 4) $x + 5 = 3y$
- 5) $y = \frac{x+5}{3}$

$$f^{-1}(x) = \frac{x+5}{3}$$

money / worry about later

C = # of Cars

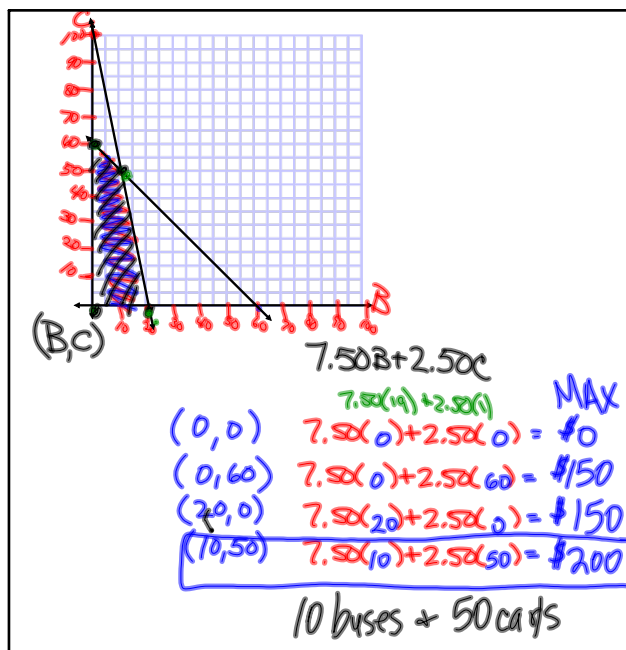
B = # of Buses

$$6C + 30B \leq 600$$

$$C + B \leq 60$$

$$\begin{array}{rcl} 6C + 30B & \leq & 600 \\ -30B & -30B & \\ \hline 6C & \leq & 30B + 600 \\ C & \leq & 5B + 100 \end{array}$$

$$\begin{array}{rcl} C + B & \leq & 60 \\ -B & -B & \\ \hline C & \leq & -B + 60 \end{array}$$



G = gallons of Gas

T = gallons of Toluene

$$2G + 3T \leq 18 \quad \text{Solve for T}$$

$$2G + T \leq 10$$

HW

Linear Programming Notes

Example 2 Only